APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

VAHALA, Zdenek; KOTAS, Jaroslav

Syndrome of intestinal resorption disorders in some surgical diseases. Cas.lek.cesk 100 no.36:1127-1133 8 S '61.

1. Klinika chirurgie dospelych fakulty detskeho lekarstvi KU v Praze, prednosta doc. dr. Z. Vahala. Ustredni laborator fakultni nemocnice pod Petrinem, prednosta MUDr. J. Kotas.

(GASTROINTESTINAL SYSTEM surg) (INTESTINES dis)

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JIRKA, M.; KOTAS, J.; SKRAMOVSKY, V.

Contribution to the excretion of proteins with sweat. Cas.lek.cesk 100 no.7:107-109 17 F '61.

1. II. ustav pro lekarskou chemii KU v Praze, prednosta prof. MUDr. A. F. Richter, doktor lekarskych ved a Oddeleni pro klinickou chemii, prednosta prof. MUDr. J. Sula, doktor lekarskych ved.

(SWEAT chem) (PROTEINS metab)

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SVEJDA, Jaroslav; KOTAS, Jan

Cytodiagnosis of bronchial carcinoma from patho-anatomical and roentgenological viewpoints. Findings during recent 5 years. Cesk. rentg. 14 no.3:180-188 Je '60.

1. Onkologicky ustav v Brne, reditel doc. dr. Jan Sprindrich, Patologickoanatomicky ustav lek. fak. University v Brne, predn. prof. dr. Jar. Svejda.
(CARCINOMA BRONCHOGENIC diag.)

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KOTAS, Jan; KOLAR, Vladimir

Pulmonary manifestations in leukemia. Cesk. rentg. 14 no.3: 162-169 Je '60.

1. Onkologicky ustav v Brne, reditel doc. dr. Jan Sprindrich.
(LEUKEMIA radiogr.)
(LUNGS radiogr.)

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KOTAS,J.; CAHA,A.; DOLEZEL,M.

Cancer of the maxilla - therapy by means of the intracavitary applicator. Cesk. rentg. 14 no.3:156-161 Je '60.

1. Onkologicky ustav v Brne, prednosta doc. dr. J Sprindrich.
(MAXILLA neopl.)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

KOTAS, J.; JIRKA, M.

"Contribution to the composition of horse sweat"

Ceskoslovenska Fysiologie. Praha, Czechoslovakia. Vol. 8, No. 1, Jan 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 7, July 59, Unclas

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

KOTAS J

JÍRKA, M.; KOTAS, J.

Mucoproteins in exocrine & apocrine human sweat. Cas. lek. cesk. 97 no.6-7:232-234 14 Feb 58.

1. II ustav pro chemii lekarskou KU v Praze, prednosta prof. A.F. Richter.

(SWEAT
mucoproteins in exocrine & apocrine sweat (Cz))
(PROTEINS
same)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

Kotas, J.

SVEJDA, J., Prof. Dr.; KOTAS, J., Dr.

Histological changes in rabbit kidney after x-irradiation. Cesk. rentg. 12 no.1:1-6 Mar 58.

1. Pathologickoanatomicky ustav lek. fak. MU v Brne, prednosta prof. MUDr. J. Svejda Onkologicky ustav v Brne, prednosta doc. Dr. J. Sprindrich. J. S., anat. ustav SFN Brno, Pekarska 54.

(KIDNEYS, eff. of radiations on x-rays in rabbits, histol. (Cz))
(ROENTGEN RAYS, eff. on kidneys in rabbits, histol. (Cz))

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

TOMAS, Jan, JUDr.; KONECNY, Milos, MUDr.

Combination of bronchography with tomography. Cesk. roentg. 11 no.1: 51-56 Mar 57.

1. Onkologicky ustav v Brne, reditel doc. Dr Jan Sorindrich.
(LUNG NEOPLASMS, diag.
bronchography with tomography (Cz))

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

SVEJDA, J.; KOTAS, J.; ONDRA, R.

Essay on identification of morphological changes of the mitochondria in Crocker's sarcoma in mice and in BS tumor in rats following irradiation. Cesk. onkol. 2 no.4:356-361 1955.

1. Pathologicko-anatomicky ustav lekarske fakulty MU v Brne a Onkolociсky ustav v Brne. Doc., dr. J. Svejda, Brno. Pathologicko-anatomicky ustav Pekarska 53. Dr. J. Kotas, Brno, Onkologicky ustav, Zluty kopec 7. R. Ondra, Brno, Pathologicko-anatom. ustav, Pekarska 53.

(NEOPLASMS, experimental,
BS tumor & Crocker's sarcoma, eff. of x-rays on mitochondrial changes. (Cz))
(SARCOMA, experimental,
Crocker's, eff. of x-rays on mitochondrial changes.(Cz))
(ROENTGEN RAYS, effects,
on exper. BS tumor & Crocker's sarcoma, mitochondrial changes.(Cz))

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KOTAS, J.

Axioms for Birkhoff-v. Neumann quantum logic. Bul Ac Pol mat 11 no. 10:629-632 '63.

On decomposition of the nodular ortocomplemetary finite-generated lattice. Ibid.:639-642.

1. Department of Mathematics, N. Copernicus University, Torun. Presented by A. Mostowski.

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KOTAS, Dalimil, C.Sc.

Meeting of a group of experts of the Permanent Commission of the Council for Economic Mutual Assistance. Uhli 4 no.4:135 Ap '62.

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KOTAS, D.

New machinery as a factor in reducing the amount of labor and increasing labor productivity in a coal mine. Nauch. trudy MGI no. 34:33-43 '60. (MIRA 14:4)

(Coal mines and mining) (Automatic control)
(Coal mining machinery)

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KOTAS, D.

Improving analyses of economic efficiency in mining. p. 50.

UHLI. (Ministerstvo paliv)
Praha, Czechoslovakia
Vol. 1, no. 2, Feb. 1959

Monthly list of East European Acessions (EEAI), LC, Vol. 8, no. 7
July 1959
Uncl.

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DEMBOWSKI, Z.; KOTAS, A.; MALCZYK, W.

Works on correlation of coal deposits in the Upper Silesian Coal Basin. Przegl geol 11 no.5:232-235 My '63.

1. Gornoslaska Stacja Terenowa, Instytut Geologiczny, Sosnowiec.

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KOTARSKIY, G.F.

KHOROSHAVIN, N.I., inzhener; KOTARSKIY, G.F., inzhener.

Raising the production and technical work quality in field garages and the role of garage in lump peat production. Torf. prom. 32 no.2:24-26 '55. (MLRA 8:5)

1. Glavtorf.
(Peat industry) (Garages)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

KOTARSKI, Zygmunt; KOZIOL, Maria, mgr

Evaluation of the idea, realization and testing results of shifting the church building at Gen.Świerczewski Alley in Warsaw. Inż i bud 21 no.2:61-65 F '64.

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KOTARSKI, Zygmunt (Warszawa)

Cuba and her building problems. Przegl budowl i bud mieszk no. 6:28[illegible] Ja '64.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

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KOTARSKI, Z.

The problem of organizing the building industry based on the use of local materials. p. 89. MATERIALY BUDOWLANE, Warxzawa. Vol. 11, no. 3, Mar. 1956.

SOURCE: East European Acession List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956.

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KOTARSKI, Z.

"Slabs and building elements of mineral wool." p. 77. "Fundamental problems of building ceramics in the realization of the annual plan." p. 83.
(MATERIALY BUDOWLANE, Vol. 8, no. 3, Mar. 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 5, May 1954, Uncl.

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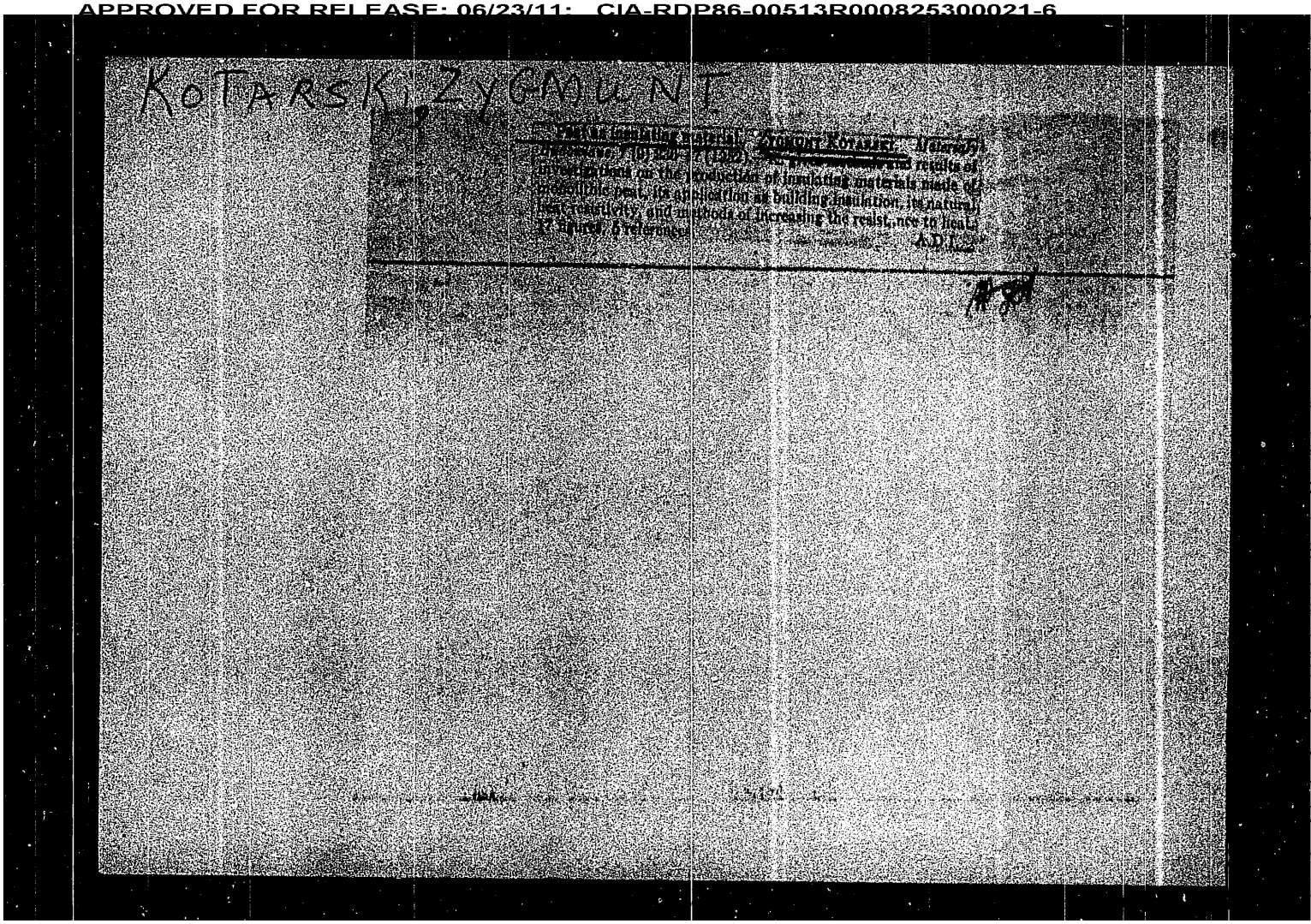

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Kotarski Z. Cane Problematics and the Use of Cane in Building Practice.

„Problematyka trściny i jej zastosowania w budownictwie" Materiały Budowlane. No. 10, 1951, pp. 278—285, 10 figs

Structure and technical properties of cane as the main factors responsible for its extensive use in the distant past. Modern building practice calls for an improvement of the properties of cane. Cutting cane at the proper time and in the correct manner

Harvest organisation. Technical specifications for cane intended for building purposes. The necessity for compiling records of cane cultures in order to determine the extent of available raw material resources. Solving transport problems by, as far as possible, locating alongside waterways small factories contingent on a narrow radius of raw material bases. Constructional elements made of cane: cane boards (properties and manufacturing methods), cane matting (manufacturing methods), cane concrete (ceiling types). Utilisation of cane scrap.

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KOTARSKI, STEFAN.

Slownik zlatynizowanych nazw miejscowych ze szczegolnym uwzglednieniem osiedli slowianskich. (Wyd. 1.). Warszawa, Stowarzyszenie Bibliotekarzy Polskich, 1955. 126 p.
(Dictionary of Latinized place names with special consideration for Slavic settlements. 1st ed. bibl.)
CtY MiDW

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

RACHWALSKI, Janusz, mgr inz.; KOTARSKI, Janusz, mgr inz.; WITCZAK, Stanislaw, mgr inz.

Analysis of methods of transformer short-circuit testing. Energetyka Pol 18 no. 8:Suppl. Biul inst energetyki 6 no. 7/8:34-36 Ag '64.

1. Electricity Department, Institute of Power Engineering, Warsaw.

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POLAND

KOTARSKI, Andrzej, dr

Institute of the Organic Industry (Instytut Przemysłu Organicznego) Warsaw

Warsaw, Chemia analityczna, No 3, May-June 1966, pp 629-632

"Polarographic analysis of substances in thin-layer chromatography."

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KOTARSKI, Andrzej; MARCZENKO, Zygmunt

Separation by distillation and photocolorimetric determination of small amounts of selenium. Chem anal 5 no.2:235-242 '60. (EEAI 10:3)

1. Instytut Chemii Ogolnej, Warszawa.
(Distillation) (Colorimetry) (Selenium)

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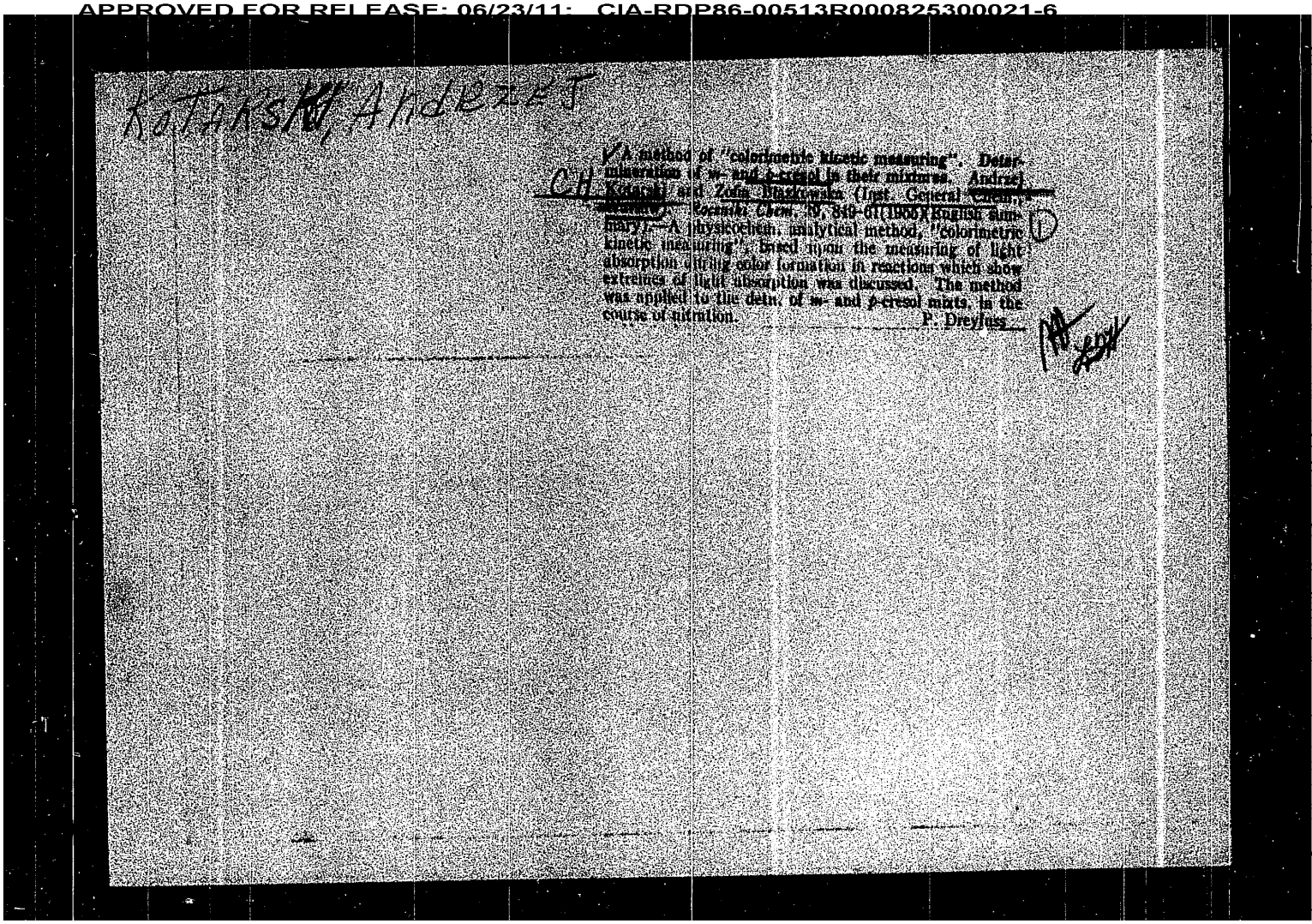

Kalinski, Andrzej

CH

A method of "colorimetric kinetic measuring". Determination of *o*- and *p*-cresol in their mixtures. Andrzej Kalinski and Zofia Stankowska (Inst. General Chem., Politechn., Wrocław). *Chem. Anal.* (Warsaw) 10, 349–61 (1965) (English summary).—A physicochem. analytical method, "colorimetric kinetic measuring", based upon the measuring of light absorption during color formation in reactions which show extremes of light absorption was discussed. The method was applied to the detn. of *o*- and *p*-cresol mixts. in the course of titration. P. Dreyfuss

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P.I.A.

Chemistry + Chemical Technology

702 536.63

Blaszkowska Z., Kolarski A. Modification of the Method Determining the Specific Heat of Liquids.

„Modyfikacja metody oznaczania ciepła właściwego cieczy". Przemysł Chemiczny, No. 9, 1950, pp. 519—521, 1 fig., 2 tabs.

A simple laboratory method for determining the specific heat of liquids is outlined. The method is a modification of the known „calorifier" method and is especially suitable when dealing with small amounts of liquid

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KOTARSKA, K.

2-Alkylolones-1,3 and their derivatives. Pt.1. Acta Polon Pharm 21 159-161 '64.

α1-naphthyl-δ-ketocarboxylic acids. Pt.4. Ibid. 165-171

1. Department of General Chemistry of the Łódź University, Presented Nov.1962.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

G-2

COUNTRY : Poland
CATEGORY :

ABS. JOUR. : RZKhim., No. 21 1959, No. 74905

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : the ether, the solution is cooled to 10°, and the pH is adjusted to 4 with 2 N HCl to give 58.5% IV, mp 187-188° (from aqueous CH_3OH). A filtered solution of 0.02 mol IV and 0.1 mol $Ba(OH)_2$ in 70 ml hot water is heated in an autoclave for 15 hrs at 150-155°, the excess $Ba(OH)_2$ is rinsed out with water with cooling, 100 ml 2 N H_2SO_4 and 30 ml ether are added to the residue, and I is separated from the ether layer, yield 87%, mp 61.5-62.5° (from aqueous CH_3OH),

CARD: 3/4

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COUNTRY : Poland G-2
CATEGORY :

ABS. JOUR. : RZKhim., No. 21 1959, No. 74305

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : Cyclohexanedione (IV) by $Ba(OH)_2$ gives I. The use of KOH or NaOH in the place of $Ba(OH)_2$ at various temperatures in the presence of glycerin or cyclohexanone and an increase in the reaction time did not give positive results. 0.1 mol II, 0.1 mol III, 1 gm KI, and 22 ml 20% KOH are heated for 2 hrs at about 100°, 150 ml of 5% NaOH are added, the solution is heated for an additional hr, and extracted with ether; air is passed through the separated aqueous layer for 2 hrs to remove

CARD: 2/4

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

COUNTRY : Poland G-2
CATEGORY :

ABS. JOUR. : RZKhim., No. 21 1959, No. 74905

AUTHOR : Kisker, W. and Kotas Ka, A.
INST. : Not given
TITLE : ω-Naphthalene-δ-ketocarboxylic Acids. I. 6-(naphthyl-1)-4-keto-2,2-dimethylhexanecarboxylic Acid
ORIG. PUB. : Soc Sci Lodz Acta Chim, 3, 35-40 (1958)

ABSTRACT : The authors have used a previously described method (H. Stetter and W. Dierichs, Ber, 85, 61 (1952)) with slight modifications in the synthesis of new surface-active agents, specifically ω-naphthyl-δ-ketocarboxylic acids of the type of 6-(naphthyl-1)-4-keto-2,2-dimethylhexanecarboxylic acid (I): the condensation of 1,1-dimethylcyclohexane-3,5-dione (II) with α-chloromethylnaphthalene (III) followed by acid cleavage of the 1,1-dimeteyl-4-(α-naphthylmethyl)-

CARD: 1/4

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KOTAROV, St.

Bulgaria/Chemical Technology - Chemical Products and Their Application. Fermentation Industry, I-27

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63590

Author: Kotarov, St.

Institution: None

Title: Correct Processing of the Crop of Hybrid Grapes

Original Periodical: Pravilna prerabotka na grozdeto ot direktnitesortove lozi (khibridite). Lozarstvo i vinarstvo, 1955, 4, No 4, 214-216; Bulgarian

Abstract: Discussed is the problem of producing quality wine from hybrids and in admixture with European varieties of grapes. Foxy taste characteristic of hybrids is not imparted to the wine on fulfillment of all the conditions. From hybrids Terras No 20, Krasnyy Zeybel No 1 and No 14 excellent wine of Kagor type can be made. From Noa variety good grape juice is produced.

Card 1/1

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KOTARIYA, V.T., kand.med.nauk

Data on the study of latent syphilis, diagnosed by serological reactions. Vest.derm.i ven. 35 no.5:86-87 '62. (MIRA 15:5)

1. Iz Tbilisskogo kozhno-venerologicheskogo dispansera No.2 co statsionarom (glavnyy vrach I.V. Kenchadze).
(SYPHILIS—DIAGNOSIS)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

KOTARIYA, V.T.

Secondary syphilitic infections. Vest.derm.i ven. 35 no.1:52-54 Ja '61. (MIRA 14:3)

1. Iz 2-go venerologicheskogo dispansera Tbilisi (glavnyy vrach I.V. Kenchadze).

(SYPHILIS)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

KOTARIYA, V. T., kand. med. nauk

Reinfection with syphilis after treatment with bicillin-3. Vest. derm. i ven. no.10:77-78 '61. (MIRA 14:12)

1. Iz venerologicheskogo dispansera No. 2 (glavnyy vrach I. V. Kenchadze), Tbilisi.

(SYPHILIS) (BICILLIN--THERAPEUTIC USE)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

KOTARIYA, V.T.

Embolism after ekmonovocillin injection. Vest.derm.i ven. 34 no.6:68-69 '60. (MIRA 13:12)

1. Iz Tbilisskogo 2-go kozhno-venerologicheskogo dispansera so statsionarom (glavnyy vrach I.V. Kenchadze).
(PENICILLIN) (EMBOLISM)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

KOTARIYA, V.T., Cand Med Sci -- (diss) "Functional state of the liver in syphilis in ~~relation to its~~ connection with treatment." Tbilisi 1958, 20 pp (Tbilisi State Med Inst) 200 copies (KL, 32-58, 111)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

KOTARIYA, Vakhtang Trifonovich

[Blood serum protein fractions in syphilis in connection with the treatment] [Belkovye fraktsii syvorotki krovi pri sifilise v sviazi s lecheniem. Tbilisi, os.izd-vo "Sabchota Sakartvelo,"] 1963. 161 p. [In Georgian] (MIRA 17:4)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

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KOTARIYA, A.F.

Climatological computation of total radiation under complex conditions in Georgia. Soob.AN Gruz.SSR 26 no.2:161-165 '61.
(MIRA 14:4)

1. Tbilisskiy gosudarstvennyy universitet im. Stalina. Predstavleno akademikom M.N.Sabashvili.
(Georgia--Solar radiation)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

KOTARIYA, A.F.

Extension of breezes over the sea. Trudy Geog. ob-va Gruz. SSR 5:179-182 '59. (MIRA 13:11)

(Black Sea--Winds)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

KOTARIYA, A.F.

Some problems with regard to the vertical development of seasonal breeze circulation along the Black Sea coast of western Georgia. Soob. AN Gruz. SSR 20 no. 4:443-450 Ap '58. (MIRA 11:7)

1. Tbilisskiy gosudarstvennyy universitet im. Stalina. Predstavlena akademikom A.N. Dzhavakhishvili.
(Georgia--Winds)

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KOTARIYA, A.F

Problem of the Vertical Structure of Breezes

From observations at two points in the coastal area of western Georgia during the summer it was established that in a stagnant low-lying area the thickness of the lower flow of a breeze was less by 400-500 meters than in a dry flatland rising toward the land side and passing into a mountain system. The author concludes that a swamp weakens a breeze and creates unfavorable conditions for its development. (RZhGeol, No. 5, 1955) Tr. Tbilis. un-ta, No. 50, 1953, 141-147 (Russian resume)

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300021-6

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KOTARIYA, A. F.

Def. at
Tbilisi State U.

721

Dissertation for degree of

Candidate Geographical Sciences

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Modernizing the electric circuit of the R-912 automatic welder.
Svar.proizv. no.5:37-38 My '65. (MIRA 18:6)

1. Tbilisskiy filial Vsesoyuznogo nauchno-issledovatel'skogo institut elektrosvarochnogo oborudovaniya.

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1. Czlonek rzeczywisty Polskiej Akademii Nauk, Warszawa.

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Opening address at the Conference of Academies of Sciences of Socialist Countries, Warsaw, March 14, 1962. Nauka polska 10 no.4:1-3 '62.

1. Czlonek rzeczywisty Polskiej Akademii Nauk, Warszawa.

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1. Czlonek rzeczywisty Polskiej Akademii Nauk, Warszawa

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Are arts and science a part of culture? Social aspirations of the teachers' profession. Problemy 18 no.1:66-67 '62.

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(Labor pruductivity)

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The results of our scientific research. p. 11.

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KOTARBINSKI, Tadeusz

The achievements of science during the 15 years of People's Poland.
Review Pol Academy 4 no.4:1-16 O-D '59. (EEAI 9:7)
(Poland--Science)

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KOTARBINSKI, T.

"Reflections on science"

p. 1 (Review, Journal on Polish science and scientific publications issued by the Polish Academy, Vol, 2, no 1, Jan/Mar. 1958, Warsaw, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

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prove the will of the Polish scientists for a close scientific collaboration also with the other nations. There are no references.

ASSOCIATION: **Polish Academy of Sciences**

AVAILABLE: **Library of Congress**

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KOTARBINSKI, T.

AUTHOR: Kotarbinski, T., Academician, President of the Polish Academy of Sciences 30-10-19/26

TITLE: Close Contact in Sciences (Plodotvornyye nauchnyye svyazi)

PERIODICAL: Vestnik AN SSSR, 1957, Nr 1o, pp. 123-124 (USSR)

ABSTRACT: An agreement of mutual assistance was made between the AN of the USSR and Poland. Further contacts will be concluded shortly between the Polish academy and the Ukrainian, or Belorussian academy respectively. Mutual elaborate investigations are actually carried out in the field of ultrasonics.

The following examples illustrate the results achieved by this agreement: The mutual investigations of atmospheric radioactivity in the field of chemistry, the investigation of coal deposits in the field of geology, the establishment of a scheme of classification of various species of soil in the field of biology, the production of special pure zinc in the field of engineering. Further the immediate collaboration between the observatories in Breslau and on the Crimea by the establishment of a catalogue of weak stars should be mentioned. The mutual attendance of meetings is intently practiced. The mutual agreements concluded with all people's democracies' academies of sciences

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KOTARBINSKI, TADEUSZ

Traktat o dobrej robocie. Lodz, Zaklad im. Ossolinskich we Wroclawiu, 1955. 360 p. (Lodzkie Towarzystwo Naukowe. Wydzial I., nr. 18)

POLAND

SOURCE: EAST EUROPEAN ACCESSIONS LIST LC Vol. 5, no. 7, August, 1956.

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KOTARBINSKI, Adam, mgr inz.

Institute of City Planning and Architecture; its tasks, organization, works. Nauka polska 10 no.6:105-121 N-D '62.

1. Kierownik Instytutu Urbanistyki i Architektury, Warszawa.

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KOTARBINSKI, Adam

Institute for Town Planning and Architecture. Review Pol Academy 8 no.1:53-60 Ja-Mr '63.

1. Director, Institute for Town Planning and Architecture, Warsaw.

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KOTARBINSKI, A.

"After the National Conference of Architects." p.224
(PRZEGLAD TECHNICZNY Vol. 74, no. 6, June 1953 Warszawa, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

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KOTARBINSKI, A.

"Problems of Our Architecture." p. 194 (HORYZONTY TECHNIKI, Vol. 6, No. 5, May 1953) Warszawa

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 10, October 1953. Unclassified.

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PTA KOTARBINSKI, A.

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Kotarbiński, A. **Principles of Zoning and Localization of Residential Areas.**

„Zasady strefowania i lokalizacji terenów mieszkaniowych". Miasto. No. 10, 1951, pp. 11—16.

Review of general town planning principles of zoning of residential areas. Problems of equitable concentration of buildings and of the professional structure of the population, due allowance being made for the state of economic development and historical evolution, etc. Adoption of effective town planning standards. Principles of localizing residential areas.

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1. Z Kliniki Terapii Chorob Dzieci AM w Warszawie Kierownik: prof. dr med. H. Brokman i z Zakladu Radiologii Pediatrycznej AM w Warszawie Kierownik: prof. dr med. K. Rowinski.
(LOEFFLER'S SYNDROME)

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Regulation of energy and protein in meat fattening of swine. Zesz probl post nauk roln no.43:13-42 '63.

1. Institute of Animal Physiology and Feeding, Jablonna near Warsaw.

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WITCZAK, Fr.; KOTARBINSKA, M.; SOCHOLOLSKA, E.; ANGAROWICZ, Fr., prof. dr

Effects of various levels of protein in fodder while applying low energy feeding on the results of fattening and the nitrogen balance in pigs. Zesz probl post nauk roln no.54:55-60 '64.

1. Department of Animal Feeding of the Central College of Agriculture, Warsaw. Head: [prof.] Abgarowicz, and Department of Specific Animal Breeding, of the Central College of Agriculture, Warsaw. Head of Department:[doc.dr] F.Maly.

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Observations on the giving of water in the feeding of fattening pigs. Zesz probl post nauk roln no.54:41-45 '64.

1. Department of Animal Feeding of the Central College of Agriculture, Warsaw. Head: [prof. dr] Fr. Abgarowicz.

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ABGAROWICZ, Franciszek, prof. dr; KOTARBINSKA, Maria; CHACHULOWA, Jadwiga; WITCZAK, Franciszek

Different protein levels in the fodder rations and the results in the production of meat. Zesz probl post nauk roln no.41:147-151 '63.

1. Katedra Zywienia Zwierzat, Szkola Glowna Gospodarstwa Wiejskiego, Warszawa. Kierownik: prof. dr F. Abgarowicz.

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GIETKA, Marian; KOTARBINSKA, Barbara

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(VOMITING) (CARDIOSPASM)
(DIAGNOSIS, DIFFERENTIAL)

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BRZOSKO, Witold; KOTARBINSKA, Barbara; ZALEWSKI, Tadeusz

An unusual cause (lymphosarcoma) of pneumothorax and pneumomediastinum in a 4-year-old child. Pediat. polska 35 no.8:912-915 Ag '60.

1. Z Zakladu Anatomii Patologicznej A.M. w Warszawie Kierownik: prof. dr med. L.Paszkiewicz Z Zakladu Radiologii Dziecicej A.M. w Warszawie Kierownik: prof. dr med. K.Rowinski i z Kliniki Terapii Chorob Dzieci A.M. w Warszawie Kierownik: prof. dr med. H.Brokman

(LYMPHOSARCOMA in inf & child)
(PNEUMOTHORAX etiol)
(PNEUMOMEDIASTINUM etiol)
(LUNG NEOPLASMS in inf & child)

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KOTARBA, Zdzislaw, mgr inz.

[redacted]

Annealing magnetic sheet iron in vacuum furnaces. Wiad hut 16 no.12:371-376 D '60.

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KOTARBA, Zdzislaw, mgr inz.

Mechanization of the rolling shop for thin sheet metal in the Batory Steel Works. Wiad hut 16 no.7/8:231-234 Jl-Ag '60.

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KOTARBA, Zdzislaw, mgr inz.

Steel core of sheet metal tinned electrolytically. Wiad hut 15 no. 7/8:222-226 Jl-Ag '64.

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KOTARBA, Zdislaw, mgr inz.

Welding thin sheets together during hot rolling. Wiad hut 15 no.1:13-17 Ja '59.

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Annealing of transformer sheets ...

vacuum annealing furnaces in the near future. There are 2 photos, 3 figures 3 tables and 1 Soviet-bloc reference.

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content from 0.006 to 0.002%, the aluminum content from 0.022 to 0.004% and the silicon content from 4.40 to 4.30%. It is also known that by annealing the sheet in vacuum, a coagulation of non-metallic compounds occurs already at 1100°C. Another important factor in the annealing process is the decrease in the carbon content of the sheet. Research conducted by Y.B.Bogachev, V.A.Korolev and M.Y.Sherstyuk showed that by annealing sheet in a 30-40 mm col Hg vacuum, carbon will appear as graphite. The effect of the chemical substance used for coating sheets before annealing on grain size and carbon content was also worked out by Lapkin and is given in Table 1. The results contained in this table apply to transformer sheet 0.5 mm thick, with the following chemical composition: 0.07% C, 4.25% Si, 0.08% Mn, 0.013% P, 0.006% to 0.011% S, 0.020 to 0.015% Al, and 0.22% Cu, which was annealed in vacuum at a temperature of 1150 to 1180°C. The "Batory" Plant increased the quality of its transformer sheet by the vacuum annealing process and increased the production of transformer sheet with a loss up to 1.0 w/kg. The vacuum furnace described above represents an experiment as regards its design as well as the annealing technology. Since the results up to now have been satisfactory, the plant will construct a battery of

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Annealing of transformer sheets ...

Plant uses for this purpose magnesium oxide, diluted with water to form a suspension of 5-10°Be. After being dipped into the suspension, the sheets are exposed to drying, during which process the water evaporates leaving a fine film of magnesium oxide. Equipment for this process has been designed and built by the "Batory" Plant. The sheets are stacked in the furnace 1 m high. The annealing parameters are: 1) heating the charge to 1150°C for 20-24 hours; 2) maintaining the heat at 1150°C for 28-30 hours and 3) cooling the charge together with the furnace to 550°C for 70-80 hours. The "Batory" Plant uses a temperature of 1150°C for transformer sheet annealing. According to N.Y.Lapkin, Y.B.Bogachev, V.A.Korolev, M.Y.Sherstyuk, (Ref.1 : vol.1, issue 1, Fizika metallov i metallovedeniye (Physics of metals and metallography)) by increasing the annealing temperature from 1000°C to 1250°C, the grains are enlarged causing the number of grains per 1 mm^2 to drop from 24-32 to 3. Between 1000°C and 1200°C grains are still mixed, while at 1250°C they become homogeneous. The effect of vacuum annealing temperature on the loss in sheet calculated by Lapkin is shown in Fig.4. Lapkin also established that by increasing the temperature from 1000°C to 1250°C, the carbon content decreases from the initial 0.015 to 0.007%, the sulphur

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walls of the bell. The second group is distributed along the lower half of the bell. Elements of these two groups are made from strip of the "Kanthal A-1" type with the following data: strip dimension 20 x 2 mm; resistance of strip at 20°C - 0.03625 ohm/m; active surface of strip - 440 cm^2/m and weight of 1 m of strip is 284 grams. The third group of heating elements is distributed in three longitudinal channels of the hearth. These helical elements are also made of "Kanthal A-1" and have the following data: diameter of wire - 19 mm; resistance of wire at 20°C - 0.07385 ohm/m; active surface of wire - 157.1 cm^2/m, and the weight of 1 m of wire - 139.4 grams. The temperature of the furnace is controlled by 4 thermal elements and this control may be manual or automatic. The furnace is further equipped with signal lamps and signaling equipment in case of breakdown in the vacuum pump. The Shell-Met pump which is a domestic product, makes 430 rpm and has a capacity of 60 m^3/h producing a vacuum of about 0.5 Tr. This single-stage, 2-chamber pump has a 4.5 kw motor. The pump connected to the furnace by a conduit 65 mm in diameter, can work continuously throughout the annealing process, or intermittently. The sheets before being subjected to annealing are cut to the desired size and coated with a substance preventing the sheets from sticking together during the annealing process. The "Batory"

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elements is 220 kw. The capacity of the furnace is 7 tons of 750x1,500 mm sheet. It has a vacuum pump and automatic temperature control. The outer mantle of the bell is made of 10 mm welded steel. On top of the bell a hook is provided by means of which the bell can be lifted by an overhead travelling crane. The bottom of the furnace is fitted with a water-cooled steel frame. The walls are insulated against heat by a 15 mm layer of slag wool between the outer steel walls and the inner walls which consist of - starting on the inside - a special 200 mm structure containing the heating elements, a 70 mm firebrick layer and a 125 mm "termolit" layer. The ceiling of the bell consists of 2 layers of refractory material, one of firebrick and the other of "termolit". The brickwork of the hearth is lined on the inside with "termolit" and on the outside with firebrick. The heat-resistant 20 mm steel sheet of the hearth covers the heating elements and serves as a platform for the furnace charge. The power of the heating elements is 3 x 220 v, 50 cycles. The installed capacity of the heating elements is 230 kw when cold and 220 when hot - and 603.3 amp when cold and 579.1 amp when hot. The heating elements are divided into 3 groups, i.e. group one consists of 6 elements distributed along the upper half of the side and front

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P/043/60/000/012/001/006
A223/A126

AUTHOR: Kotarba, Zdzisław, Master of Engineering

TITLE: Annealing of transformer sheets in a vacuum furnace

PERIODICAL: Wiadomości hutnicze, no. 12, 1960, 371-376

TEXT: To improve the quality of transformer sheets, on which finally depends, further development and progress in the electrification, a Polish-built vacuum annealing furnace has been installed in the "Batory" Plant. This article describes the furnace and the vacuum annealing process, including parameters, processing conditions and results. It has been established that by reducing the average loss in transformer sheets by 0.2 w/kg, a total saving in power equal to the output of a large power plant can be achieved. The "Batory" Metallurgical Plant is constantly improving the quality of hot-rolled sheets; for this purpose a bell furnace for vacuum annealing of transformer sheets has been installed in its sheet rolling mill. The furnace (Figs. 1 and 2) designed by the "Biprohut" team headed by Master of Engineering Horoszki, was produced from domestic material. It consists of a stationary hearth with a detachable bell. The total capacity of the heating

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KOTARBA, Zdzislaw, mgr inż.

Electrolytically tin-plated sheet iron. Wiad hut 15 [i.e. 20] no. 4: 116-119 Ap '64.

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On the Superheating of Thin Sheet-Metal Plates During Hot Rolling

quality of the plates. With the aid of microscopic photography, deficiencies caused by superheating are described. The applied chemical steel composition is of great influence for superheat in sheet-metal plates during rolling. G.M. Kacnielson and M.N. Krawiec have investigated this field and calculated a guide according to the example:

$$W = \frac{Cr + 10\ P}{(C + \frac{1}{4}\ Mn)}$$

where Cr, P, C and Mn represent the percentage of the different units. There follows a description of the conditions for rolling the material. The most frequent preventive methods against superheating sheet-metal plates are: ventilation, showering and immersion of the packs in special solutions. The above-mentioned methods are accurately described by formulae. The separation of plate packs is one of the most difficult and unproductive procedures. It can be done by machines or by hand. Two

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POL/43-15-1-5/23

18(5)

AUTHOR: Kotarba, Zdzislaw, Engineer

TITLE: On the Superheating of Thin Sheet-Metal Plates During Hot Rolling (Zgrewanie sie blach cienkich podczas walcowania na goraco)

PERIODICAL: Wiadomosci hutnicze, 1959, Vol 15, Nr 1, pp 13-17 (Poland)

ABSTRACT: This article examines the conditions causing the superheating of thin sheet-metal plates, the methods to prevent it, as well as the methods for separation of the plates. Thin sheet-metal plates can be rolled warm or cold. There are various methods for rolling sheet metal, namely: 1) Sheet-metal plates 2 mm thick are rolled in single sheets; 2) Sheet-metal plates 1 mm thick and more are put together in 2 sheets (so-called "pack"); 3) Sheet-metal plates 0.5 mm thick and more are put together in packs of 4 sheets; 4) Sheet-metal sheets of 0.2 mm thick and more are rolled in packs of 8 sheets. Packs of 3, 5, 6 and 9 sheets are rarely used. Superheating of thin sheet-metal plates during hot rolling negatively affects the

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[illegible], A.

Optical computer for comparative estimating of [illegible] in photos.

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In: Monthly Index of East European Accessions (MIEE) Vol. [illegible], No. [illegible], [illegible]

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KOTARBA, Jerzy (Bytom)

Finishing the internal surfaces of building partitions in industrialized building in Czechoslovakia. Przegl budowl i bud mieszk 27 [i.e. 37] no.3:168 Mr '65.

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KOTARBA, Jerzy (Bytom)

Mechanical plastering, its technology and scaffolding.
Przegl budowl i bud mieszk 36 no. 4:194-198 Ap '64.

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KOTARBA, Jerzy (Bytom)

Building plinths. Przegl budowl i bud mieszk 35 no.10: 548-552 0'63.

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KOTARBA, Jerzy (Bytom)

Butenit emulsion paints. Przegl budowl i bud mieszk 35 no.4:232-233 Ap '60.

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KOTARBA, Jerzy, (Bytom)

Utilization of volatile ashes and evalations. Przegl budowl i bud miesz 34 no.12:736 D '62.

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KOTARBA, Jerzy (Bytom)

Experimental external plaster made of limestone-dust binding material.
Przegl budowl i bud mieszk 34 no.11:680 N '62.

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KOTARBA, Jerzy (Bytom)

Colored concretes and plasters. Przegl budowl i bud mieszk 34 no.11, 672 N '62.

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KOTARBA, Jerzy (Bytom)

Elevation building boards. Przegl budowl 34 no.3:163-165 Mr '62

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KOTARBA, Jerzy, mgr., inz.

The sensitivity of receivers to voltage deviations. Energetyka przem 10 no.1:12-18 '62.

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"Obsługa głównych pomp kopalnianych" (Operation of the main mine pumps), by J. Kotarba. Reported in New Books (Nowe Książki), No. 11, June 1, 1956.

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KOTARBA, Jan

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KOTARBA, J.

"Research Concerning Machinery" p. 134 (Wiasomosci Gornicze, Vol. 4, No. 5, May, 1953, Katowice)

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